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John Barrus

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RICOH/FENWICK
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041

EXAMINER

HILLERY, NATHAN

ART UNIT

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2176

NOTIFICATION DATE

DELIVERY MODE

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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTOC@FENWICK.COM
aprice@fenwick.com

Office Action Summary	Application No. 10/665,097	Applicant(s) BARRUS ET AL.	
	Examiner NATHAN HILLERY	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-79 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-79 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/29/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Amendment filed on 4/25/08.
2. Claims 1-79 are currently pending in the case, with claims 1, 42, 44, and 63 being the dependent claims.

Claims Rejection – 35 U.S.C. 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 – 6, 19, 20, 27 – 32, 35 – 49, 54, 55, 59 – 68, 73 and 74 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies et al. (US 20020085759 A1), and in further view of Klotz, Jr. et al. (US 5682540 A).

Regarding independent claim 1,

Davies et al. teach that once the glyph sticker pattern has been located, the data within the glyph field is then decoded. The data is then associated with a desired service (paragraph block 0052), which meet the limitation of **locating, on the document index image, an image of a first sticker specifying an action;**

Davies et al. teach that while the user interface tag of the invention is illustrated in FIG. 1 as an adhesive sticker capable of being applied to documents, it should be observed that the pattern may also be applied to cover sheets capable of being associated with a document (paragraph block 0035), which meet the limitation of **determining that the first sticker specifies a first action be performed on the first**

stored document based on a location of the first sticker with respect to the first graphic representation; and

Davies et al. teach that a system permits a user to specify an action or a service to be performed simply by applying a sticker to the document and placing it into a bin to be scanned (paragraph block 0012), which meet the limitation of **performing the first action to cause a change to the first stored document.**

Davies et al. do not explicitly teach **locating, on the document index image, at least a first graphic representation of a first stored document and receiving an image of a document index, the document index comprising a plurality of graphic representations of documents, wherein each graphic representation uniquely identifies a document.**

However, Davies et al. do teach that when the user wishes to process a document, he places the document into a scanner. The scanner reads the document and formulates a bitmap representative of the document (paragraph block 0043) and that while the invention is illustrated as being applied to documents, it should be observed that the pattern may also be applied to cover sheets and other objects capable of being associated with a document (paragraph block 0035).

Klotz, Jr. et al. teach that document surrogate 80, as depicted, contains summaries of four different documents. Each document summary contains document selection box 82, first window 84, and second window 86. Second window 86 is depicted as a nine window summary of the document and may contain reduced images (Column 13, lines 55 – 62), which meet the limitation of **receiving an image of a**

document index, the document index comprising a plurality of graphic representations of documents, wherein each graphic representation uniquely identifies a document;

Klotz, Jr. et al. teach that selection box 82 is a way for a user to select a subset of documents that are summarized on the surrogate. The document processing system will then know to scan the image where selection boxes 82 are located and detect the presence or absence of user supplied selections (Column 13, lines 63 – 67 and Column 14, lines 31 – 34), which meet the limitation of **locating, on the document index image, at least a first graphic representation of a first stored document.**

Because both Davies et al. and Klotz, Jr. et al. teach methods of processing coversheets, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute one method for the other to achieve the predictable result of processing a coversheet that represents a plurality of documents.

Regarding dependent claim 2:

Davies et al. teach that the present invention uses a scheme of encoded tags, such as adhesive stickers or labels (paragraph block 0012), which meet the limitation of **the first action sticker comprises a removable self-adhesive sticker.**

Regarding dependent claim 3:

Davies et al. do not explicitly teach **the first stored document is part of a stored collection of documents, and wherein the document index image**

comprises a collection coversheet image.

Klotz, Jr. et al. teach that FIG. 4 shows a document surrogate that acts as a "document catalog". A document catalog is a document surrogate that contains summaries of more than one document. Document surrogate 80, as depicted, contains summaries of four different documents (Column 13, lines 52 – 56), which meet the limitation of **the first stored document is part of a stored collection of documents, and wherein the document index image comprises a collection coversheet image.**

Because both Davies et al. and Klotz, Jr. et al. teach methods of processing coversheets, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute one method for the other to achieve the predictable result of processing a coversheet that represents a plurality of documents.

Regarding dependent claim 4:

Davies et al. do not explicitly teach **the collection coversheet image comprises a collection overview image.**

Klotz, Jr. et al. teach that FIG. 4 shows a document surrogate that acts as a "document catalog". Document surrogate 80, as depicted, contains summaries of four different documents (Column 13, lines 52 – 56), which meet the limitation of **the collection coversheet image comprises a collection overview image.**

Because both Davies et al. and Klotz, Jr. et al. teach methods of processing coversheets, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute one method for the other to achieve the predictable result of

processing a coversheet that represents a plurality of documents.

Regarding dependent claim 5:

Davies et al. do not explicitly teach **the collection overview image comprises a plurality of thumbnail depictions of documents**.

Klotz, Jr. et al. teach that document surrogate 80, as depicted, contains summaries of four different documents. Each document summary contains document selection box 82, first window 84, and second window 86. Second window 86 is depicted as a nine window summary of the document and may contain reduced images (Column 13, lines 55 – 62), which meet the limitation of **the collection overview image comprises a plurality of thumbnail depictions of documents**.

Because both Davies et al. and Klotz, Jr. et al. teach methods of processing coversheets, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute one method for the other to achieve the predictable result of processing a coversheet that represents a plurality of documents.

Regarding dependent claim 6:

Davies et al. do not explicitly teach **the collection coversheet image comprises a machine-readable collection identifier specifying a storage location for the collection of documents, the method further comprising, prior to performing the specified first action: retrieving the identified first stored document from the specified storage location**.

Klotz, Jr. et al. teach that the presently preferred system comprises three levels of operations. The first and highest levels are system applications. The system applications include document storage, document retrieval, and the like (Column 10, lines 6 – 16), which meet the limitation of **the collection coversheet image comprises a machine-readable collection identifier specifying a storage location for the collection of documents, the method further comprising, prior to performing the specified first action: retrieving the identified first stored document from the specified storage location.**

Because both Davies et al. and Klotz, Jr. et al. teach methods of processing coversheets, it would have been obvious to one of ordinary skill in the art at the time of the invention to substitute one method for the other to achieve the predictable result of processing a coversheet that represents a plurality of documents.

Regarding dependent claim 19:

Davies et al. teach that exemplary services may include, but would not be limited to, "scan to document repository," "scan and send via e-mail," "scan and fax," "scan and print copies," and so forth (paragraph block 0038), which meet the limitation of **the specified first action comprises one selected from the group consisting of: printing; e-mailing; faxing; grouping; reordering; playing; ungrouping; and deleting.**

Regarding dependent claim 20:

Davies et al. teach that an action processor reads the bitmap received from the scanner, identifies and decodes the glyph sticker, and accesses the database server to determine the identity of the user. The desired service may be inferred simply from the identity of the user (paragraph block 0044), which meet the limitation of **the specified first action comprises specifying an access level for the first stored document.**

Regarding dependent claim 27:

Davies et al. teach that based on the user's desired service, the action processor then causes the desired action to be performed, which may involve the generation of a transformed document by an output device. The output device is characterized generally here, but as discussed above, may comprise a hardcopy printer, a facsimile machine (or modem capable of sending fax messages), a network connection for e-mail, a connection to a document repository, a digital storage device or an aggregation of some or all of these and other functions (paragraph block 0045), which meet the limitation of **the specified first action comprises transmitting the identified first stored document to a destination, the method further comprising: determining a destination.**

Regarding dependent claim 28:

Davies et al. teach that an exemplary data structure embodied by the glyph field includes a service code. Accordingly, the service code can represent up to 256 different possible actions, transformations, and services. Exemplary services may include, but

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would not be limited to, "scan to document repository," "scan and send via e-mail," "scan and fax," "scan and print copies," and so forth. An indicated service may, without limitation, include a plurality of actions (e.g., scan, then recognize characters, then e-mail the text), and may also involve transformation of the document from hardcopy to electronic form, and possibly back to hardcopy form (paragraph block 0038), which meet the limitation of **determining a destination comprises receiving user input specifying a destination.**

Regarding dependent claim 29:

Davies et al. teach that an exemplary data structure embodied by the glyph field includes a service code. Accordingly, the service code can represent up to 256 different possible actions, transformations, and services. Exemplary services may include, but would not be limited to, "scan to document repository," "scan and send via e-mail," "scan and fax," "scan and print copies," and so forth. An indicated service may, without limitation, include a plurality of actions (e.g., scan, then recognize characters, then e-mail the text), and may also involve transformation of the document from hardcopy to electronic form, and possibly back to hardcopy form (paragraph block 0038), which meet the limitation of **determining a destination comprises reading an indicator of a destination from the image of the document index.**

Regarding dependent claim 30:

Davies et al. teach that an exemplary data structure embodied by the glyph field

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includes a service code. Accordingly, the service code can represent up to 256 different possible actions, transformations, and services. Exemplary services may include, but would not be limited to, "scan to document repository," "scan and send via e-mail," "scan and fax," "scan and print copies," and so forth. An indicated service may, without limitation, include a plurality of actions (e.g., scan, then recognize characters, then e-mail the text), and may also involve transformation of the document from hardcopy to electronic form, and possibly back to hardcopy form (paragraph block 0038), which meet the limitation of **determining a destination comprises reading an indicator of a destination from the first action sticker.**

Regarding dependent claim 31:

Davies et al. teach that other services may require a differently coded argument (e.g., "scan and fax" followed by an argument of "2" may represent a command to fax the document to the user's home fax number, as opposed to an office fax number or, perhaps, an alternate office fax number, both of which would have different argument numbers (paragraph block 0039), which meet the limitation of **determining a destination comprises determining at least one selected from the group consisting of: an e-mail address; a fax number; a uniform resource locator; a telephone number; and a mailing address.**

Regarding dependent claim 32:

Davies et al. teach that an action processor reads the bitmap received from the

scanner (paragraph block 0044), which meet the limitation of **receiving an image of a document index comprises scanning the document index**.

Regarding dependent claim 35:

Davies et al. teach that once the glyph sticker pattern has been located, the data within the glyph field is then decoded. The data is then associated with a desired service, and the service is performed (paragraph block 0052), which meet the limitation of **determining the specified action by reading the first action sticker**.

Regarding dependent claim 36:

Davies et al. teach that it will be observed that any recoverable printed representation of digital information, including but not limited to optically recognizable alphanumeric characters can also be used in alternative embodiments of the invention to similar effect (paragraph block 0036), which meet the limitation of **determining the specified action by performing optical character recognition on the first action sticker**.

Regarding dependent claim 37:

Davies et al. teach that it will be appreciated that minor variations of this method, readily apparent to those skilled in the art, may also be used to identify and locate various parallelogram, rhombus, trapezoid, and irregular quadrilateral patterns in

addition to rectangles and rectangle-like shapes (paragraph block 0072), which meet the limitation of **determining the specified action by determining a shape of the first action sticker.**

Regarding dependent claim 38:

Davies et al. teach that the method is operative on monochromatic images. If the digitized image is in some other format (such as color or grayscale), it should first, as a precursor to the method set forth in FIG. 6, be converted to a binary format, typically via a threshold function or by dithering (paragraph block 0054), which meet the limitation of **determining the specified action by determining a color of the first action sticker.**

Regarding dependent claim 39:

Davies et al. teach that the glyph sticker pattern includes several important attributes. A glyph field contains a printed representation of digital data used to perform the goals of the invention; it should be noted that the glyph field of FIG. 1 is shown as using Xerox DataGlyphs (paragraph block 0036), which meet the limitation of **determining the specified action by reading a machine-readable icon on the first action sticker.**

Regarding dependent claim 43:

Davies et al. teach that the present invention uses a scheme of encoded tags, such as adhesive stickers or labels, to serve as the primary user interface in a hardcopy

document processing system. Such a system would permit a user to specify an action or a service to be performed simply by applying a sticker to the document and placing it into a bin to be scanned (paragraph block 0012), which meet the limitation of **receiving input specifying an action comprises receiving input via a user interface**.

Regarding claims 40 – 42, 44 – 49, 54, 55, 59 – 68, 73 and 74, the claims incorporate substantially similar subject matter as claims 1 – 6, 19, 20 and 27 and are rejected along the same rationale.

4. Claims 7 – 18, 21 – 26, 33, 34, 50 – 53, 56 – 58, 69 – 72 and 75 – 79 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davies et al. (US 20020085759 A1) and Klotz, Jr. et al. (US 5682540 A) and in further view of Cooper et al. (5,680,223) and Cotte et al. (5,499,108).

Regarding **dependent claim 7**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 1, line 8 through col. 14, line 11, specifically, col. 10, lines 13-44, and col. 11, lines 5-12, teaching file manipulation.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and

Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 8**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 15, lines 1-4 teaching updating the index.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 9**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 15, lines 7-10 teaching storing the new file.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to

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combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 10**:

The rejection of claim 1 is incorporated herein by this reference. Cooper, col. 1, line 8 through col. 14, line 11, teaching updating the coversheet and locations appropriate to the documents identified thereon.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 11**:

The rejection of claim 1 is incorporated herein by this reference. See also,

Cooper, Figure 13, teaching location and action stickers.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 12**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 2, line 29 through col. 3, line 54, teaching multiple stickers and multiple “hot zones” as proximate locations for stickers to be read in relation to each other.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 13**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 2, line 29 through col. 3, line 54, specifically col. 18, line 64 through col. 19, line 35, teaching the use of pointers with stickers.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 14**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 2, line 29 through col. 3, line 54, specifically Figures 26 through 30, and col. 11, line 24 through col. 13, line 38, teaching the use of “hot zones” for location, along with multiple actions stickers and pointers.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and

Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 15**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 2, line 29 through col. 3, line 54, specifically Figures 26 through 30, and col. 11, line 24 through col. 13, line 38, teaching location of the sticker or icon. It would have been obvious to one of ordinary skill in the art at the time of the invention to associate location with a coordinate. See also, Cooper, col. 10, lines 45-60.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 16**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, figures 12 ad 13, teaching a list.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 17**:

The rejection of claim 1 is incorporated herein by this reference. The Examiner takes official notice of the fact that “thumbnail” images were a well known and widely used icons representing software applications and functions and it would have been obvious to one of ordinary skill in the art at the time of the invention to use a thumbnail representation of a document on a document image index coversheet for purposes of giving visual cues to the user as to the content of the documents represented. See, Bloomberg (U.S. Patent 5,761,686, issued June 2, 1998), col. 3, lines 7-31, teaching that the use of thumbnail images as icons representing documents in applications and functions was well known in the art at the time of the invention.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it

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would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 18**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 1, line 8 through col. 14, line 11, teaching the use of icons on coversheets.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 21**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte,

col. 10, line 19 through col. 23, line 25, teaching the use of first and second stickers.
See also, Cooper, figures 12 and 13, teaching multiple documents on a coversheet.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 22**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 3, line 23 through col. 4, line 59, teaching that a document to be retrieved from a storage device by a coversheet need not necessarily be an electronic document.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses

existing peripheral devices (Cooper).

Regarding **dependent claim 23**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, figures 28 and 30 teaching multiple actions.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 24**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 9, line 61 through col. 11, line 54, teaching "clipping" as a sub-collection and performing actions user designated actions.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and

Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 25**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 10, line 19 through col. 23, line 25. See also, Cooper, col. 11, lines 13-31, teaching ordering of actions.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 26**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cotte, col. 10, line 19 through col. 23, line 25. See also, Cooper, col. 10, line 19 through col. 23, line 25, teaching ordering of actions, the actions being sorted according to

identification order on the coversheet.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 33**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 1, line 8 through col. 14, line 11, specifically, col. 13, lines 44-57, teaching receipt of the image index from another computer, which includes via e-mail.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding **dependent claim 34**:

The rejection of claim 1 is incorporated herein by this reference. See also, Cooper, col. 1, line 8 through col. 14, line 11, specifically, col. 13, lines 44-57, teaching receipt of the image of the document via fax.

Although Davies et al. and Klotz, Jr. et al. do not explicitly teach the limitations, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the inventions of Cooper et al. and Cotte et al. with that of Davies et al. and Klotz, Jr. et al. because such a combination would provide the users of Davies et al. and Klotz, Jr. et al. with the benefit of an input device using scanning technology that has a zero footprint of space consumed on the surface of a workstation (Cotte) and a method and system for assigning a meaningful user-selected file label to files which uses existing peripheral devices (Cooper).

Regarding claims 50 – 53, 56 – 58, 69 – 72, and 75 – 79, the claims incorporate substantially similar subject matter as claims 7 – 10 and 22 – 25 and are rejected along the same rationale.

Response to Arguments

5. Applicant's arguments filed 4/25/08 have been fully considered but they are not persuasive.

6. Applicant argues that the references fail to teach or suggest **determining that the first sticker specifies a first action be performed on the first stored document based on a location of the first sticker with respect to the first graphic representation** because Davies discloses tags on a single document (p 22 and 23).

The Office disagrees.

First, it should be noted that Davies et al. teach that while the user interface tag of the invention is illustrated in FIG. 1 as an adhesive sticker capable of being applied to documents, it should be observed that the pattern may also be applied to cover sheets capable of being associated with a document (paragraph block 0035).

It would have been obvious to one of ordinary skill in the art at the time of the invention to appreciate that if a sticker is being applied to multiple documents, then the location, specifically which particular document(s) has a sticker applied to it, is determined. Further, if a sticker is applied to cover sheets, which represent multiple documents, and the cover sheet(s) is/are capable of being associated with a document, then again location is obviously determined as is known in the art.

7. Applicant argues that the references fail to teach **receiving an image of a document index, the document index comprising a plurality of graphic representations of documents, wherein each graphic representation uniquely identifies a document** because Klotz merely describe a document surrogate that contains summaries of documents (pp 24 and 25).

The Office disagrees.

First, it should be noted that Klotz, Jr. et al. teach that document surrogate 80, as depicted, contains summaries of four different documents. Each document summary contains document selection box 82, first window 84, and second window 86. Second window 86 is depicted as a nine window summary of the document and may contain reduced images (Column 13, lines 55 – 62).

Clearly, the document surrogate depicted meet the claimed document index, and each of the document summaries depicted meet the claimed graphic representation. As Klotz clearly teaches in the citation above, the document surrogate, claimed document index, contains four document summaries, claimed graphic representations of documents, which uniquely identify each document, claimed document.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NATHAN HILLERY whose telephone number is (571)272-4091. The examiner can normally be reached on M - F, 10:30 a.m. - 7:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on (571) 272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NH

/Doug Hutton/
Doug Hutton
Supervisory Primary Examiner
Technology Center 2100